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ABSTRACT OF THE DISCLOSURE

A compound system ^{for} ~~of~~ a wind power generation and an electric power energy storage constituted by a plurality of wind power generators ~~1a~~ and ~~1b~~, and electric power energy storage device ~~5a~~ and ~~5b~~ and electric power converters ~~6a~~ and ~~6b~~ installed in parallel with the wind power generators is provided with a composite current detecting means ~~-8a~~ for the wind power generators, a voltage detecting means ~~-9a~~ for an electric power system ~~+8~~, means ~~-8b~~ for detecting a current ~~of~~ which the electric power converters input or output, means ~~-10a~~ for computing output electric powers P_w and Q_w of the wind power generators according to the voltage of the electric power system and the detected value of composite current of the wind power generators, means ~~-10b~~ for computing input or output electric powers P_c and Q_c of the electric power converters according to the voltage of the electric power system and the detected value of the current of the electric power converters and a control unit ~~-11a~~ which generates pulse signals ~~-16a~~ for controlling the electric power converters, wherein the output electric power of the wind power generators and the input or output electric power of the electric power converters are used for electric power feed back in a control system for the electric power converters.